Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/28/2022 09:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125329	0	1.83	125253	1.80
Blue	F	SSC	125000	126647	1	3.48	127279	3.42
Blue	E	FITC	15860	15331	-4	2.51	373	14.31
Blue	D	PE	27718	27319	-2	1.95	635	10.42
Blue	B	PerCP-Cy5-5	38046	37171	-3	3.23	1012	15.21
Blue	A	PE-Cy7	26092	25940	-1	5.04	507	30.75
Red	C	APC	49104	48990	-1	2.67	1723	11.49
Red	A	APC-Cy7	28201	27450	-3	3.18	726	12.40
Violet	B	V450	9904	9453	-5	3.86	528	11.91
Violet	A	V500	39004	37356	-5	3.45	975	9.06

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24008	2.18	568	-1	N/A	N/A	Pass
Blue	F	SSC	56656	2.02	525	-3	N/A	N/A	Pass
Blue	E	FITC	59	54.24	493	2	0.0408	54	Pass
Blue	D	PE	123	39.65	499	3	0.4559	394	Pass
Blue	B	PerCP-Cy5-5	138	46.33	591	2	0.0192	90	Pass
Blue	A	PE-Cy7	63	97.72	634	2	0.0218	8	Pass
Red	C	APC	335	26.32	580	-1	0.0272	130	Pass
Red	A	APC-Cy7	97	42.62	551	-4	0.0061	1112	Pass
Violet	B	V450	84	51.18	465	7	0.0545	2235	Pass
Violet	A	V500	121	34.59	476	7	0.0244	1434	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.00	-31.70	1.01
Blue	20.35	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.44
Red	15.65	13.90 - 20.86	N/A	N/A	30.01	30.30	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 11221

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments